

## MATERIAL SAFETY DATA SHEET

MSDS 0011

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
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|  |  |                                 |   |
|--|--|---------------------------------|---|
|  |  | HMIS CODES                      |   |
| PRODUCT NAME   |  | Health                          | 1 |
| RectorSeal No. 5                                       |  | Flammability                    | 2 |
|  |  | Reactivity                      | 0 |
| PRODUCT CODES  |  | PPI                             | B |
| 25790, 25631, 25551, 25431, 25300, 25271, 25191, 25112 |  |                                 |   |
| CHEMICAL FAMILY:                                       |  |                                 |   |
| Organic  |  |                                 |   |
| USE  |  |                                 |   |
| Pipe Thread Sealant                                    |  |                                 |   |
| MANUFACTURER'S NAME                                    |  | EMERGENCY TELEPHONE NO.         |   |
| The RectorSeal Corporation                             |  | Chemtrec 24 Hours               |   |
| 2601 Spenwick Drive                                    |  | (800) 424-9300                  |   |
| Houston, Texas 77055 USA                               |  |                                 |   |
| DATE OF PREPARATION                                    |  | TECHNICAL SERVICE TELEPHONE NO. |   |
| July 24, 2002  |  | (800) 231-3345                  |   |

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 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS  
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| % by WT | CAS No.  | INGREDIENT        | UNITS  |
|---------|----------|-------------------|--------|
| 20-30   | 123-42-2 | Diacetone Alcohol |        |
|         |          | ACGIH TLV         | 50 ppm |
|         |          | OSHA PEL          | 50 ppm |

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 Section 3 -- HAZARDS IDENTIFICATION  
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## SUMMARY OF ACUTE HAZARDS

Irritation to eyes, nose and throat; drowsiness, narcosis, tremors and other CNS effects at high concentration.

## ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

## INHALATION

Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression and unconsciousness.

## EYE CONTACT

Watering, blurred vision, inflammation and irritation which can result in corneal injury.

## SKIN CONTACT

Irritation, dermatitis.

## INGESTION

Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.

## SUMMARY OF CHRONIC HAZARDS

Skin irritation and dermatitis. Possible liver and kidney damage.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver or kidneys may have increased susceptibility to excessive exposures.

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 Section 4 -- FIRST AID MEASURES  
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|             |   |
|-------------|---|
| If INHALED: | If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential. |
|-------------|---|

If on SKIN: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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#### Section 5 -- FIRE FIGHTING MEASURES

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|                      |     |     |
|----------------------|-----|-----|
| FLASH POINT          | LEL | UEL |
| 150 F (65 C) SETA CC | N/D | N/D |

#### EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible - moderate flash point. Vapors heavier than air and may travel along the ground or to low spots at considerable distances to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture containers.

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#### Section 6 -- ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

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#### Section 7 -- HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

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#### Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion-proof equipment.

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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#### Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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|                             |                          |
|-----------------------------|--------------------------|
| BOILING POINT:              | 322 F (161 C) @ 760mm Hg |
| SPECIFIC GRAVITY (H2O = 1): | 1.38                     |

VAPOR PRESSURE (mm Hg): 0.3 @ 68 F (20 C)  
 MELTING POINT: N/A  
 VAPOR DENSITY (AIR = 1): 1.1  
 EVAPORATION RATE (ETHYL ACETATE = 1): 0.14  
 APPEARANCE/ODOR: Yellow Paste/Mild Odor  
 SOLUBILITY IN WATER: 23%

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Section 10 -- STABILITY AND REACTIVITY

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STABILITY: Stable  
 CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing.  
 Temperatures above 500 F (260 C).  
 INCOMPATIBILITY (MATERIALS TO AVOID): Gaseous oxygen, strong oxidizing  
 materials, molten alkali metals.  
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.  
 HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

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CHRONIC HEALTH HAZARDS  
 No ingredients in this product is an IARC, NTP or OSHA Lister carcinogen.

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TOXICOLOGY DATA  
 Ingredient Name

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|                   |                  |                 |
|-------------------|------------------|-----------------|
| Diacetone Alcohol |                  |                 |
|                   | Oral-Rat         | LD50:4000 mg/kg |
|                   | Inhalation-Human | TCLo: 100 ppm   |

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Section 12 -- Ecological Information

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ECOLOGICAL DATA  
 Ingredient Name

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|                   |                                    |     |
|-------------------|------------------------------------|-----|
| Diacetone Alcohol |                                    |     |
|                   | Food Chain Concentration Potential | N/A |
|                   | WATERFOWL TOXICITY                 | N/A |
|                   | BOD                                | N/A |
|                   | AQUATIC TOXICITY                   | N/A |

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Section 13 -- DISPOSAL CONSIDERATIONS

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Waste Classification: Non-regulated solid waste  
 Disposal Method: Approved landfill  
 Waste from this product is not considered hazardous as defined under the  
 Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in  
 accordance with Federal, State, and Local regulation regarding pollution.

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Section 14 -- TRANSPORTATION INFORMATION

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DOT: Non-Regulated  
 OCEAN (IMDG): Non-Regulated  
 AIR (IATA): Non-Regulated  
 WHMIS (CANADA): Non-Regulated

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Section 15 -- REGULATORY INFORMATION

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REGULATORY DATA  
 Ingredient Name

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Diacetone Alcohol

|                |     |
|----------------|-----|
| SARA 313       | N/A |
| TSCA Inventory | Yes |
| CERCLA RQ      | N/A |
| RCRA Code      | N/A |

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Section 16 -- OTHER INFORMATION

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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001